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DATE: Sunday, July 10, 2005

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		DB=PGPB; PLUR=YES; OP=OR	
☐	L4	(kinase near5 (bead or support)) same peptide	36
		DB=USPT; PLUR=YES; OP=OR	
☐	L3	(kinase near5 (bead or support)) same peptide	55
		DB=PGPB,USPT; PLUR=YES; OP=OR	
☐	L2	(kinase near5 (bead or support)) same peptide	91
		DB=USPT; PLUR=YES; OP=OR	
☐	L1	kinase near5 (bead or support)	387

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NEWS	3	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	4	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	5	MAR 02	GBFULL: New full-text patent database on STN
NEWS	6	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	7	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	8	MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS	9	MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	10	MAR 22	PATDPASPC - New patent database available
NEWS	11	MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS	12	APR 04	EPFULL enhanced with additional patent information and new fields
NEWS	13	APR 04	EMBASE - Database reloaded and enhanced
NEWS	14	APR 18	New CAS Information Use Policies available online
NEWS	15	APR 25	Patent searching, including current-awareness alerts (SDIs), based on application date in CA/CAplus and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications.
NEWS	16	APR 28	Improved searching of U.S. Patent Classifications for U.S. patent records in CA/CAplus
NEWS	17	MAY 23	GBFULL enhanced with patent drawing images
NEWS	18	MAY 23	REGISTRY has been enhanced with source information from CHEMCATS
NEWS	19	JUN 06	STN Patent Forums to be held in June 2005
NEWS	20	JUN 06	The Analysis Edition of STN Express with Discover! (Version 8.0 for Windows) now available
NEWS	21	JUN 13	RUSSIAPAT: New full-text patent database on STN
NEWS	22	JUN 13	FRFULL enhanced with patent drawing images
NEWS	23	JUN 20	MEDICONF to be removed from STN
NEWS	24	JUN 27	MARPAT displays enhanced with expanded G-group definitions and text labels
NEWS	25	JUL 01	MEDICONF removed from STN
NEWS	26	JUL 07	STN Patent Forums to be held in July 2005

NEWS EXPRESS JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005

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FILE 'HOME' ENTERED AT 18:33:56 ON 10 JUL 2005

=> kinase (5n) (bead or support)
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=> kinase (5n) (bead or support)
L1 1190 KINASE (5N) (BEAD OR SUPPORT)

=> peptide and l1
L2 122 PEPTIDE AND L1

=> dup rem l2
PROCESSING COMPLETED FOR L2
L3 53 DUP REM L2 (69 DUPLICATES REMOVED)

=> py>2000 and l3
L4 14 PY>2000 AND L3

=> l3 not l4
L5 39 L3 NOT L4

=> t ti l5 1-39

L5 ANSWER 1 OF 39 MEDLINE on STN
TI Serotonin-induced protein kinase C activation in cultured rat heart endothelial cells.

L5 ANSWER 2 OF 39 MEDLINE on STN
TI Monoclonal antibodies generated against recombinant ATM **support kinase** activity.

L5 ANSWER 3 OF 39 MEDLINE on STN
TI N-terminal region of P protein of Chandipura virus is responsible for phosphorylation-mediated homodimerization.

L5 ANSWER 4 OF 39 MEDLINE on STN
TI Evidence for and against a pivotal role of PI 3-kinase in a neuronal cell survival pathway.

L5 ANSWER 5 OF 39 MEDLINE on STN
TI A cell cycle regulated MAP kinase with a possible role in cytokinesis in tobacco cells.

L5 ANSWER 6 OF 39 MEDLINE on STN
TI Mechanism of platelet inhibition by nitric oxide: in vivo phosphorylation of thromboxane receptor by cyclic GMP-dependent protein kinase.

L5 ANSWER 7 OF 39 MEDLINE on STN
TI Requirement for Rho-mediated myosin light chain phosphorylation in thrombin-stimulated cell rounding and its dissociation from mitogenesis.

L5 ANSWER 8 OF 39 MEDLINE on STN
TI Regulation of native Kv1.3 channels by cAMP-dependent protein phosphorylation.

L5 ANSWER 9 OF 39 MEDLINE on STN
TI Substrates for protein kinase CK2 in insulin receptor preparations from rat liver membranes: identification of a 210-kDa protein substrate as the dimeric form of endoplasmin.

L5 ANSWER 10 OF 39 MEDLINE on STN
TI Effect of calcitonin gene-related **peptide** on sodium absorption through isolated skin of Rana esculenta.

L5 ANSWER 11 OF 39 MEDLINE on STN
TI Immunocytochemical localization of protein kinases Yes and Src in amoeboid microglia in culture: association of Yes kinase with vimentin intermediate filaments.

L5 ANSWER 12 OF 39 MEDLINE on STN
TI Lipoyl domain-based mechanism for the integrated feedback control of the pyruvate dehydrogenase complex by enhancement of pyruvate dehydrogenase kinase activity.

L5 ANSWER 13 OF 39 MEDLINE on STN
TI Differential modulation of bombesin-stimulated phospholipase C beta and mitogen-activated protein kinase activity by [D-Arg1,D-Phe5,D-Trp7,9,Leu11]substance P.

L5 ANSWER 14 OF 39 MEDLINE on STN
TI Activation of serine/threonine protein kinases and early growth response 1 gene expression by tumor necrosis factor in human myeloid leukemia cells.

L5 ANSWER 15 OF 39 MEDLINE on STN
TI The serum response factor nuclear localization signal: general implications for cyclic AMP-dependent protein kinase activity in control of nuclear translocation.

L5 ANSWER 16 OF 39 MEDLINE on STN
TI CD28 signal transduction: tyrosine phosphorylation and receptor association of phosphoinositide-3 kinase correlate with Ca(2+)-independent costimulatory activity.

L5 ANSWER 17 OF 39 MEDLINE on STN
TI Casein kinase II mediates multiple phosphorylation of Saccharomyces cerevisiae eIF-2 alpha (encoded by SUI2), which is required for optimal eIF-2 function in S. cerevisiae.

L5 ANSWER 18 OF 39 MEDLINE on STN
TI Ro 32-0432, a selective and orally active inhibitor of protein kinase C prevents T-cell activation.

L5 ANSWER 19 OF 39 MEDLINE on STN
TI Partial activation of the pyruvate dehydrogenase kinase by the lipoyl domain region of E2 and interchange of the kinase between lipoyl domain regions.

L5 ANSWER 20 OF 39 MEDLINE on STN
TI At least two kinases phosphorylate the MPM-2 epitope during Xenopus oocyte maturation.

L5 ANSWER 21 OF 39 MEDLINE on STN
TI Insulin receptor serine kinase activation by casein kinase 2 and a membrane tyrosine kinase.

L5 ANSWER 22 OF 39 MEDLINE on STN
TI Overexpression of protein kinase C isoenzymes alpha, beta I, gamma, and epsilon in cells overexpressing the insulin receptor. Effects on receptor phosphorylation and signaling.

L5 ANSWER 23 OF 39 MEDLINE on STN
TI Mechanistic studies on rhodopsin kinase. Light-dependent phosphorylation of C-terminal peptides of rhodopsin.

L5 ANSWER 24 OF 39 MEDLINE on STN
TI Direct photoaffinity-labelling of human deoxycytidine kinase with the feedback inhibitor dCTP.

L5 ANSWER 25 OF 39 MEDLINE on STN
TI Electrophoretic purification of the alpha and beta subunits of phosphorylase **kinase** and evidence in **support** of the deduced amino acid sequences.

L5 ANSWER 26 OF 39 MEDLINE on STN
TI Ultrastructural localization of cyclic adenosine 3',5'-monophosphate-dependent protein kinase after adrenocorticotropin stimulation in adrenal cortical tumor cells.

L5 ANSWER 27 OF 39 MEDLINE on STN
TI Interleukin 2 and diacylglycerol stimulate phosphorylation of 40 S ribosomal S6 protein. Correlation with increased protein synthesis and S6 kinase activation.

L5 ANSWER 28 OF 39 MEDLINE on STN
TI Altered phosphoglycerate kinase from old rat muscle shows no change in primary structure.

L5 ANSWER 29 OF 39 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Poly(ADP-ribose) modulates the properties of MARCKS proteins.

L5 ANSWER 30 OF 39 CAPLUS COPYRIGHT 2005 ACS on STN
TI Affinity purification of recombinant proteins fused to calmodulin or to calmodulin-binding peptides

L5 ANSWER 31 OF 39 CAPLUS COPYRIGHT 2005 ACS on STN
TI Application of the one-bead one-compound combinatorial library method in protein tyrosine kinase and cell surface receptor research

L5 ANSWER 32 OF 39 CAPLUS COPYRIGHT 2005 ACS on STN
TI Identification and characterization of a novel **peptide** substrate for P60c-src protein tyrosine **kinase** using a one-**bead** one-**peptide** combinatorial **peptide** library method

L5 ANSWER 33 OF 39 CAPLUS COPYRIGHT 2005 ACS on STN
TI Template directed cyclization of support-bound peptides.

L5 ANSWER 34 OF 39 CAPLUS COPYRIGHT 2005 ACS on STN
TI Activation of serine/threonine protein kinases and early growth response 1 gene expression by tumor necrosis factor in human myeloid leukemia cells

L5 ANSWER 35 OF 39 CAPLUS COPYRIGHT 2005 ACS on STN
TI Method for the detection of phosphotyrosine residues

L5 ANSWER 36 OF 39 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
TI Analysis and mapping of plastin phosphorylation.

L5 ANSWER 37 OF 39 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
TI Regulation of native Kv1.3 channels by cAMP-dependent protein phosphorylation.

L5 ANSWER 38 OF 39 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
TI Synergistic activation of a G protein-coupled receptor kinase by G protein βγ subunits and mastoparan or related peptides.

L5 ANSWER 39 OF 39 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
TI Inhibition of neutrophil superoxide formation by 1-(5-isoquinolinesulfonyl)-2-methylpiperazine (H-7), an inhibitor of protein kinase-C.

=> l5 and bead
L6 4 L5 AND BEAD

=> d ibib abs l6 1-4

L6 ANSWER 1 OF 4 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 1998:342207 BIOSIS
DOCUMENT NUMBER: PREV199800342207
TITLE: Poly(ADP-ribose) modulates the properties of MARCKS proteins.
AUTHOR(S): Schmitz, Arndt A. P.; Pleschke, Jutta M.; Kleczkowska, Hanna E.; Althaus, Felix R. [Reprint author]; Vergeres, Guy [Reprint author]
CORPORATE SOURCE: Dep., Biophysical Chem., Biozentrum, Univ. Basel, Klingelbergstrasse 70, CH-4056 Basel, Switzerland
SOURCE: Biochemistry, (June 30, 1998) Vol. 37, No. 26, pp. 9520-9527. print.

CODEN: BICHAW. ISSN: 0006-2960.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 13 Aug 1998
Last Updated on STN: 10 Sep 1998

AB In mammalian cells, the formation of DNA strand breaks is accompanied by synthesis of poly(ADP-ribose). This nucleic acid-like homopolymer may modulate protein functions by covalent and/or noncovalent interactions. Here we show that poly(ADP-ribose) binds strongly to the proteins of the myristoylated alanine-rich C kinase substrate (MARCKS) family, MARCKS and MARCKS-related protein (also MacMARCKS or F52). MARCKS proteins are myristoylated proteins associated with membranes and the actin cytoskeleton. As targets for both protein kinase C (PKC) and calmodulin (CaM), MARCKS proteins are thought to mediate cross-talk between these two signal transduction pathways. Dot blot assays show that poly(ADP-ribose) binds to MARCKS proteins at the highly basic effector domain. Complex formation between MARCKS-related protein and CaM as well as phosphorylation of MARCKS-related protein by the catalytic subunit of PKC are strongly inhibited by equimolar amounts of poly(ADP-ribose), suggesting a high affinity of poly(ADP-ribose) for MARCKS-related protein. Binding of MARCKS-related protein to membranes is also inhibited by poly(ADP-ribose). Finally, poly(ADP-ribose) efficiently reverses the actin-filament bundling activity of a **peptide** corresponding to the effector domain and inhibits the formation of actin filaments in vitro. Our results suggest that MARCKS proteins and actin could be targets of the poly(ADP-ribose) DNA damage signal pathway.

L6 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1998:440824 CAPLUS
DOCUMENT NUMBER: 129:211222
TITLE: Application of the one-**bead** one-compound combinatorial library method in protein tyrosine kinase and cell surface receptor research
AUTHOR(S): Lam, K. S.; Lou, Q.; Wu, J.; Leftwich, M.; Mckay, R. T.; Rychetsky, L.; Phan, H.; Joe, J.; Chen, M. -L.; Liu-Stevens, R.; Zhao, Y.; Salmon, S. E.
CORPORATE SOURCE: Arizona Cancer Center, Department of Medicine, University of Arizona, Tucson, AZ, 85724, USA
SOURCE: Peptides: Biology and Chemistry, Proceedings of the Chinese Peptide Symposium, 4th, Chengdu, Peop. Rep. China, July 21-25, 1996 (1998), Meeting Date 1996, 55-58. Editor(s): Xu, Xiao-Jie; Ye, Yun-Hua; Tam, James P. Kluwer: Dordrecht, Neth.
CODEN: 66KJAP
DOCUMENT TYPE: Conference
LANGUAGE: English

AB The "one-**bead** one-compound" combinatorial library method is extremely versatile and can be used to discover ligands for various mol. targets. Assays can be developed such that a specific biol. or phys. property can be detected. These assays, whether on-**bead** or in solution phase can easily be adapted to the "one-**bead** one-compound" library concept in e.g. protein tyrosine kinase and cell surface receptor research. Thus far, this specific combinatorial library method has proven to be very useful in both basic research and drug discovery.

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1996:695882 CAPLUS
DOCUMENT NUMBER: 126:3618
TITLE: Identification and characterization of a novel **peptide** substrate for P60c-src protein

tyrosine **kinase** using a one-**bead** one-**peptide** combinatorial **peptide** library method

AUTHOR(S): Lam, K. S.; Lou, Q.; Wu, J.; Salmon, S. E.; Phan, H.

CORPORATE SOURCE: Arizona Cancer Center, University Arizona, Tucson, AZ, 85724, USA

SOURCE: Peptides: Chemistry, Structure and Biology, Proceedings of the American Peptide Symposium, 14th, Columbus, Ohio, June 18-23, 1995 (1996), Meeting Date 1995, 287-289. Editor(s): Kaumaya, Pravin T. P.; Hodges, Robert S. Mayflower Scientific: Kingswinford, UK.
CODEN: 63NTAF

DOCUMENT TYPE: Conference

LANGUAGE: English

AB We have successfully applied a one-**bead** one-**peptide** combinatorial **peptide** library method for identification of linear **peptide** substrate motifs for cAMP-dependent protein kinase (a serine/threonine protein kinase) and for P60c-src protein tyrosine kinase (PTK). In this method, we first incubated the **peptide-bead** library with [γ-32P]ATP and the protein kinase. After incubation, the beads were washed thoroughly with high salt buffer followed by heating with 1.0 M HCl for 5 min to remove all the non-covalent [γ-32P]ATP binding and washed thoroughly again. The beads were then suspended in molten 1.5% (w/v) agarose and plated on a glass plate. The **bead**-containing gel was then air-dried to form a film and exposed to an X-ray film. Autoradiog. was then used to localize the [32P]-labeled beads. The beads corresponding to the autoradiog. spots were removed and suspended in molten agarose solution again for secondary plating. With this dilution, single [32P]-labeled beads could be isolated for microsequencing.

L6 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1993:209001 CAPLUS

DOCUMENT NUMBER: 118:209001

TITLE: Method for the detection of phosphotyrosine residues

INVENTOR(S): Ziltener, Hermann J.

PATENT ASSIGNEE(S): Can.

SOURCE: PCT Int. Appl., 32 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9303377	A1	19930218	WO 1992-CA328	19920730

W: CA, JP
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE

PRIORITY APPLN. INFO.: US 1991-739141 A 19910731

AB A sensitive and rapid method for detecting phosphotyrosine residues uses antiphosphotyrosine antibody in a particle concentration fluorescence immunoassay. This immunoassay can be used to measure the activity of and screen for a protein tyrosine kinase, a protein tyrosine phosphatase, and their modulators and substrates. Fluoricon 0.8-μm diameter carboxyl-activated polystyrene particles were coupled with myelin basic protein or a **peptide** derived from protein tyrosine kinase p56lck. Protein tyrosine kinase p56lck was assayed by adding a mixture of substrate-coated particles in Tris-HCl buffer containing ATP and MnCl2 to wells of a filtration plate, adding sample to the wells, incubating at 37° for 15 min, draining the wells, washing with buffer to remove

kinase, adding anti-phosphotyrosine monoclonal antibody, and detecting bound antibody by particle concentration fluorescence immunoassay.

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     FILE 'MEDLINE, BIOSIS, CAPLUS, EMBASE, WPIDS' ENTERED AT 18:34:57 ON 10
     JUL 2005
L1          1190 KINASE (5N) (BEAD OR SUPPORT)
L2           122 PEPTIDE AND L1
L3            53 DUP REM L2 (69 DUPLICATES REMOVED)
L4            14 PY>2000 AND L3
L5            39 L3 NOT L4
L6             4 L5 AND BEAD

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